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# **1 Virtual voyage: interactive navigation in the human colon**

Lichan Hong, Shigeru Muraki, Arie Kaufman, Dirk Bartz, Taosong He

August 1997 Proceedings of the 24th annual conference on Computer graphics and ir

Full text available: pdf(14.60 MB)

Additional Information: full citation, references, citings, index

Keywords: camera control, endoscopy, interactive rendering, physically-based nav  
colonoscopy, virtual environment, visibility

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Where are the sales offices?
- Capitalize proper nouns to search for specific people, places, or products.  
John Colter, Netscape Navigator
- Enclose a phrase in double quotes to search for that exact phrase.  
"museum of natural history" "museum of modern art"
- Narrow your searches by using a + if a search term must appear on a page.  
museum +art
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museum +"natural history" dinosaur -Chicago

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1 Representation: Multiresolution volume simplification and polygonization

Nan Zhang, Arie Kaufman

July 2003   Proceedings of the 2003 Eurographics/IEEE TVCG Workshop on Volume r

Full text available: pdf(492.30 KB)

Additional Information: full citation, abstract, references, ir

We propose a multiresolution volume simplification and polygonization algorithm. 1 algorithms lack the adaptive resolution support and consequently simplified volume several levels of downsampling, while tetrahedral-based simplification algorithms u triangles. In our method, each boundary cell is represented by a carefully selected error metrics are applied as the geometric ...

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### **1 Semi-regular mesh extraction from volumes**

Zoë J. Wood, Peter Schröder, David Breen, Mathieu Desbrun

October 2000

Proceedings of the conference on Visualization '00

Full text available: pdf(4.93 MB)

Additional Information: full citation, citings, index terms

Keywords: implicit functions, level set methods, semi-regular meshes, subdivision,

### **2 Multi-resolution multi-field ray tracing: a mathematical overview**

C. Gasparakis

October 1999

Proceedings of the conference on Visualization '99: celebrating ten

Full text available: pdf(211.49 KB)

Additional Information: full citation, abstract, references, citing

A rigorous mathematical review of ray tracing is presented. The concept of a gener voxel formats is introduced. The necessity of interpolating opacity weighted colors the blending process in terms of functional integrals. The continuum limit of the dis formula is presented, and its convexity properties are investigated. The issues pert interpolation/classification order are discussed. ...

### **3 Representation: Multiresolution volume simplification and polygonization**

Nan Zhang, Arie Kaufman

July 2003

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- 4) Click Search. See [Search Examples](#)

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